AWIPS INFORMATION NOTE 13, REVISION A (for Electronic Systems Analysts)
Maintenance Logistics & Acquisition Division
W/OPS1: JCS

SUBJECT   :   AWIPS Port Assignments

PURPOSE   :   To provide baseline for AWIPS Xyplex, Plaintree, and Procurve port
                         assignments.

SITES AFFECTED: All AWIPS sites.

EFFECT ON OTHER   File this note in EHB-13, Series II, Section 1.0. Port assignments
INSTRUCTIONS   :   annotated in this Information Note identify ports allocated by AWIPS
                         System Modification Notes 4, 5, and 6.

TECHNICAL   For questions or problems regarding these instructions, please contact
SUPPORT   :   Jagdish Sharma at 301-713-1833 x163. For questions regarding port
                         assignment changes, contact the NCF at 301-713-9344.

GENERAL

Phase I of the Linux port project, which involved porting selected AWIPS workstation
functionality to the Linux environment; porting the existing downlink Communications Processor
(CP) functionality to Linux; and incorporating a Preprocessor (PX) to offload some processing
tasks off the existing Data Server (DS), is nearing completion. Before continuing with phase II
and to ensure AWIPS sites are compliant with configuration control documentation, it is
necessary to verify all devices within the AWIPS suite are connected to the correct ports.

Mod Notes 4, 5, and 6 directed Xterms to be connected to HSL/SW1 and HSL/SW2. Due to
concerns over interaction between Xterms and HP ProCurve switches, as well as the 10BaseT
port speed of these devices, this Info Note directs Xterms to be connected to LSW1 and LSW2.
In order to accomodate the Xterm connections, this info note also directs movement of ORPG
connection(s). In addition, although LX1 and LX2 currently have no console access, this Info
Note designates Xyplex ports for future console connections for these devices. **The port
assignment information in this information note supersedes the port assignments in
System Modification Notes 4, 5, and 6.**

INFORMATION

Please verify your system's port assignment with the tables provided on the following pages:

A.   HP Procurve Port Assignments

Port	HSL/SW1	HSL/SW2	PHubs and SWs*
1			
2			
3			
4			
5			
6			
7			
8	ACR WAX**	ACR WAX**	
9			
10	Text printer	Color printer	
11		High-speed Printer	
12	LX1	LX2	
13	LX3	LX4	
14	LX5	LX6	
15	LX7	LX8	
16	LX9	LX10	
17	LX11	LX12	
18	LX13	LX14	
19	CPSBN1	CPSBN1	SP/SW1
20	CPSBN2	CPSBN2	SP/SW2
21	PX1	PX1	PX/SW1
22	PX2	PX2	PX/SW2
23	AX	AX	AX/SW
24	LSW1	LSW2	

*Port 1 of the PHub or SW should be connected to HSL/SW1; port 2 of the PHub or SW should be connected to HSL/SW2; port 4 of the PHub or SW should be connected to the appropriate device.

**ACR WFO Archive Server

B.   Plaintree Port Assignments

Port	LSW1	LSW2	PHubs*
1	Xterm1	Xterm2	
2	Xterm3	Xterm4	
3	Xterm5	Xterm6	
4	Xterm7	Xterm8	
5	WanProbe1	WanProbe2	
6	CPSYNC1	CPSYNC1	PHub-3
7	CPSYNC2	CPSYNC2	PHub-4
8	Firewall		
9	ORPG1	ORPG2**	
10	Router1	Router 1	PHub-6
11	Router 2	Router 2	PHub-7
12			
13	CRS	CRS	PHubCRS
14	Xterm9	Xterm10	
15	Xterm11	Xterm12	
16	Xterm13	Xterm14	
17	FDDI LAN	FDDI LAN	
18	HSL/SW1	HSL/SW2	

*Port 1 of the PHub or SW should be connected to LSW1; port 2 of the PHub or SW should be connected to LSW2; port 4 of the PHub should be connected to the appropriate device.

**Only applicable for sites with a second ORPG.

C.   WFO and RFC Xyplex Port Assignments

Port	WFO (collocated)	WFO (noncollocated)	RFC	Remarks
1	AS1	AS1	AS1	TELNET 2100
2	AS2	AS2	AS2	TELNET 2200
3	PX1	PX1	WS11	TELNET 2300
4	PX2	PX2	WAN Probe2	TELNET 2400
5	DS1	DS1	DS1	TELNET 2500
6	DS2	DS2	DS2	TELNET 2600
7	AX	AX	WAN Probe1	TELNET 2700
8	LSW1	LSW1	LSW1	TELNET 2800 (VT100/X-term)
9	LSW2	LSW2	LSW2	TELNET 2900 (VT100/X-term)
10	HSL/SW1	HSL/SW1	HSL/SW1	TELNET 3000
11	HSL/SW2	HSL/SW2	HSL/SW2	TELNET 3100
12		Router3*		TELNET 3200
13		Router1	Router1	TELNET 3300
14		Router2	Router2	TELNET 3400
15		ADTRAN1	ADTRAN1	TELNET 3500
16			ADTRAN2	TELNET 3600
17	LX1 [R]	LX1 [R]	ADTRAN3	TELNET 3700
18	LX2 [R]	LX2 [R]	ADTRAN4	TELNET 3800
19	VIR	VIR	VIR	cu/dev/vir
20	WS1	WS1	WS1	TELNET 4000
21	WS2	WS2	WS2	TELNET 4100
22	WS3	WS3	WS3	TELNET 4200

Port	WFO (collocated)	WFO (noncollocated)	RFC	Remarks
23	WS4	WS4	WS4	TELNET 4300
24	WS5	WS5	WS5	TELNET 4400
25			WS6	TELNET 4500
26			WS7	TELNET 4600
27			WS8	TELNET 4700
28	PX1-RFC		WS9	TELNET 4800
29	PX2-RFC		WS10	TELNET 4900
30	LX1-RFC	DEMOD1	DEMOD1	cu/dev/demod1
31	LX2-RFC	DEMOD2	DEMOD2	cu/dev/demod2
32	AX-RFC	DEMOD3**	DEMOD3**	cu/dev/demod3
33	CPSBN1	CPSBN1	CPSBN1	TELNET 5300
34	CPSBN2	CPSBN2	CPSBN2	TELNET 5400
35		DEMOD4***	DEMOD4*** ACR RAX****	cu/dev/demod4
36	CPSYNC1	CPSYNC1	CPSYNC1	TELNET 5600
37	CPSYNC2	CPSYNC2	CPSYNC2	TELNET 5700
38	LDAD Firewall	LDAD Firewall	LDAD Firewall	TELNET 5800
39	M&C Modem	M&C Modem	M&C Modem	Dial-in Direct Connect
40	System Console	System Console	System Console	Local Direct Connect

*Router3 at VRH
**DEMOD3 at ACR, National Centers, and selected WFOs
***DEMOD4 at National Centers and selected WFOs
****ACR RFC Archive server
[R] Reserved for future console connections

NOTE:	WNOW uses ports 3, 4, 7, and 16 for Workstations B-E

REPORTING INSTRUCTIONS

Report the completed Information Note using the Engineering Management Reporting System (EMRS) according to the instructions in the NWS Instruction 30-2104, Maintenance Documentation, Part 4, and Appendix F. A sample EMRS report is included as an attachment. As an additional guide, use the information in the table below.

Block #	Block Type	Information
5	Description	Verify AWIPS port assignment I.A.W. AWIPS System Information Note 13A
7	Equipment Code	AWIPS
8	Serial Number	1
15	Comments	Verified AWIPS port assignment I.A.W. AWIPS System Information Note 13A
17a	Mod. No.	I13A

Mark S. Paese
Director, Maintenance, Logistics, and Acquisition Division

Attachment - Sample EMRS Report Form

Attachment - Sample EMRS Report